

GASTRIC MOTILITY STUDIES

● A. BOWEL SOUNDS RECORDING

● PURPOSE:

- TO DOCUMENT CHANGES IN GASTRIC ACTIVITY THAT OCCUR WITH SPACEFLIGHT**

● HARDWARE:

- PORTABLE TAPE RECORDER (7.75 x 1.67 x 3.75 IN)**
- STETHOSCOPE MICROPHONE BELT (3 x 3 x 6 IN)**

TOTAL WEIGHT 2 LBS

● TESTING SCHEDULE:

- PRE: 3x,
(1) FASTING (.75 HR)
(2) WITH METACHLOPNAMIDE (MCD) TESTING (.75 HR)
(3) PRIOR TO MEAL, DURING AND AFTER (1.5 HR)
NOTE: SUBJECT MAY BE DOING OTHER ACTIVITIES WHILE RECORDING BOWEL SOUNDS**
 - IN: LAUNCH DAY - WORN AT LAUNCH - RECORD THROUGH MECO AND THEN LATER IN THE DAY
DAILY - (WITH MCP, STAKEN; AT LEAST ONCE WITH A MEAL)**
 - POST: NO REQUIREMENT**
- ### **● TRAINING REQUIREMENT:**
- 2x, 1 HOUR EACH**

GASTRIC MOTILITY STUDIES (CONT)

● HARDWARE:

- INSTRUMENTATION RECORDER (7.75 x .5 x 3.75)**
- DC AMPLIFIER (1.5 x 1.5 x 1.0 IN)**
- DC AMPLIFIER CONNECTOR**
- ELECTRODE HARNESS**
- ELECTRODES**

TOTAL WEIGHT 1.5 LBS

● PROCEDURE:

- UNSTOW EQUIPMENT**
- PLACE 5 ELECTRODES AT PREDETERMINED FIXED POSITIONS ON THE ABDOMEN**
- CONNECT ELECTRODE HARNESS TO EOG AMPLIFIER, EOG AMPLIFIER CONNECTOR TO RECORDER**
- ATTACH ELECTRODE HARNESS TO ELECTRODES**
- TURN ON RECORDER AND RECORD FOR 45 MINUTES WHILE DOING NORMAL ACTIVITIES**